

CLAIMS

1. A multi-deck-elevator-equipped building control system comprising:

an elevator control portion for controlling raising and lowering of an elevator car having a first cage and a second cage positioned above said first cage, the elevator car being raised and lowered inside a hoistway of a building main body; and

a building fixture control portion for controlling an electrical fixture installed on floors of the building main body, wherein:

operating modes of the elevator control portion include a double operating mode in which only the first cage is permitted to stop at a plurality of first cage stop floors, and only the second cage is permitted to stop at a plurality of second cage stop floors that are distinct from the first cage stop floors; and

the building fixture control portion has a first group control portion for associatively controlling the electrical fixture on the first cage stop floors, and a second group control portion for associatively controlling the electrical fixture on the second cage stop floors.

2. The multi-deck-elevator-equipped building control system according to Claim 1, wherein the building fixture control portion further comprises a tenant control portion for associatively controlling the electrical fixture for each respective tenant.

3. The multi-deck-elevator-equipped building control system according to Claim 1, wherein a first cage control portion for controlling first cage electrical equipment disposed in the first cage is disposed in the elevator control portion such that the first cage control portion performs control in response to information from the first group control portion for at least a portion of the first cage electrical equipment.

4. The multi-deck-elevator-equipped building control system according to Claim 1, wherein a second cage control portion for controlling second cage electrical equipment disposed in the second cage is disposed in the elevator control portion such that the second cage control portion performs control in response to information from the second group control portion for at least a portion of the second cage electrical equipment.

5. A multi-deck-elevator-equipped building comprising:
a building main body in which a hoistway is disposed;
an elevator car having a first cage and a second cage positioned above the first cage, the elevator car being raised and lowered inside the hoistway;

an elevator control portion for controlling raising and lowering of the elevator car;

an electrical fixture installed on floors of the building main body; and

a building fixture control portion for controlling the electrical fixture,

wherein:

the building main body has a plurality of first cage stop floors and a plurality of second cage stop floors that are distinct from the first cage stop floors;

operating modes of the elevator control portion include a double operating mode in which only the first cage is permitted to stop at the first cage stop floors, and only the second cage is permitted to stop at the second cage stop floors; and

the building fixture control portion has a first group control portion for associatively controlling the electrical fixture on the first cage stop floors, and a second group control portion for associatively controlling the electrical fixture on the second cage stop floors.

6. The multi-deck-elevator-equipped building according to Claim 5, wherein the electrical fixture is security equipment.

7. The multi-deck-elevator-equipped building according to Claim 6, wherein mutually-distinct types of security equipment are installed on the first cage stop floors and the second cage stop floors.

8. A multi-deck-elevator-equipped building comprising:
a building main body in which a hoistway is disposed;
an elevator car having a first cage and a second cage positioned above the first cage, the elevator car being raised and lowered inside the hoistway;

an elevator control portion for controlling raising and lowering of the elevator car; and

an electrical fixture installed on floors of the building

main body,

wherein:

the building main body has a plurality of first cage stop floors, and a plurality of second cage stop floors that are distinct from the first cage stop floors;

operating modes of the elevator control portion include a double operating mode in which only the first cage is permitted to stop at the first cage stop floors, and only the second cage is permitted to stop at the second cage stop floors;

a first duct extending so as to pass through a second cage stop floor is disposed between vertically-neighboring first cage stop floors, and a second duct extending so as to pass through a first cage stop floor is disposed between vertically-neighboring second cage stop floors; and

first electrical wiring electrically connected to the electrical fixture on the first cage stop floors is accommodated in the first duct, and second electrical wiring electrically connected to the electrical fixture on the second cage stop floors is accommodated in the second duct.

9. A multi-deck-elevator-equipped building comprising:

a building main body in which a hoistway and a stairway are disposed;

an elevator car having a first cage and a second cage positioned above the first cage, the elevator car being raised and lowered inside the hoistway; and

an elevator control portion for controlling raising and lowering of the elevator car,

wherein:

the building main body has a plurality of first cage stop floors and a plurality of second cage stop floors that are distinct from the first cage stop floors;

operating modes of the elevator control portion include a double operating mode in which only the first cage is permitted to stop at the first cage stop floors, and only the second cage is permitted to stop at the second cage stop floors; and

the stairway has first stairs connecting the first cage stop floors to each other, and second stairs connecting the second cage stop floors to each other; and

the first stairs and the second stairs are separated from each other and movement between the first cage stop floors and the second cage stop floors using the stairway is restricted.

10. The multi-deck-elevator-equipped building according to Claim 9, wherein the first stairs and the second stairs are connectable during an emergency.

11. A multi-deck-elevator-equipped building comprising:
a building main body in which a hoistway is disposed;
an elevator car having a first cage and a second cage positioned above the first cage, the elevator car being raised and lowered inside the hoistway; and

an elevator control portion for controlling raising and lowering of the elevator car,

wherein:

the building main body has a plurality of first cage stop floors and a plurality of second cage stop floors that are distinct from the first cage stop floors;

operating modes of the elevator control portion include a double operating mode in which only the first cage is permitted to stop at the first cage stop floors, and only the second cage is permitted to stop at the second cage stop floors; and

first distances being inter-floor distances between the second cage stop floors and the first cage stop floors adjacent below are all equal, and second distances being inter-floor distances between the second cage stop floors and the first cage stop floors adjacent above are varied on at least a portion of the floors.

12. A multi-deck elevator comprising:

an elevator car having a first cage and a second cage positioned above the first cage, the elevator car being raised and lowered inside a hoistway; and

an elevator control portion for controlling raising and lowering of the elevator car,

wherein:

operating modes of the elevator control portion include a double operating mode in which only the first cage is permitted to stop at the first cage stop floors, and only the second cage is permitted to stop at the second cage stop floors;

a first designating button apparatus having a plurality of first direct designating buttons for designating the first cage stop floors as destination floors and making direct designation of the second cage stop floors impossible is installed in at least one position inside the first cage and a landing of the first cage stop floors;

a second designating button apparatus having a plurality

of second direct designating buttons for designating the second cage stop floors as destination floors and making direct designation of the first cage stop floors impossible is installed in at least one position inside the second cage and a landing of the second cage stop floors;

a first indirect designating button for indirectly designating the second cage stop floors as destination floors by being operated in combination with the first direct designating buttons is disposed on the first designating button apparatus; and

a second indirect designating button for indirectly designating the first cage stop floors as destination floors by being operated in combination with the second direct designating buttons is disposed on the second designating button apparatus.